

Title (en)

Method of forming a switched mode power supply controller device with an off mode and structure therefor

Title (de)

Verfahren zur Herstellung einer Steuerungsvorrichtung für eine Wechselmodus-Stromversorgung mit einem Aus-Modus und Struktur dafür

Title (fr)

Procédé de formation d'un contrôleur d'alimentation électrique à mode commuté avec un mode d'arrêt et structure associée

Publication

EP 2624429 A3 20171206 (EN)

Application

EP 13153420 A 20130131

Priority

US 201213362186 A 20120131

Abstract (en)

[origin: EP2624429A2] At least one embodiment is directed to a semiconductor voltage controller comprising: a start-mode circuit associated with a start-mode; and an off-mode circuit associated with an off-mode, wherein the voltage controller is operable to receive a feedback signal and an off-mode signal from a single input and provide an output voltage, wherein the voltage controller is operable to be in the off-mode when the feedback signal is less than a skip level and the feedback signal is less than a HV control level, and wherein the voltage controller is operable to be in start mode when the feedback signal is greater than HV control level and Vcc is below a Vcc-start.

IPC 8 full level

H02M 3/335 (2006.01); **H02M 1/36** (2007.01); **H02M 3/156** (2006.01)

CPC (source: EP US)

H02M 1/36 (2013.01 - EP); **H02M 1/4225** (2013.01 - EP US); **H02M 3/156** (2013.01 - US); **H02M 3/33507** (2013.01 - EP); **H02M 3/33523** (2013.01 - EP US); **H02M 1/007** (2021.05 - EP); **Y02B 70/10** (2013.01 - EP)

Citation (search report)

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FR3074365A1; AU2018377971B2; WO2019105951A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2624429 A2 20130807; EP 2624429 A3 20171206; CN 103227559 A 20130731; CN 103227559 B 20170510; US 2013193940 A1 20130801; US 2015145496 A1 20150528; US 8942012 B2 20150127; US 9553511 B2 20170124

DOCDB simple family (application)

EP 13153420 A 20130131; CN 201310037337 A 20130131; US 201213362186 A 20120131; US 201514606003 A 20150126